Title (en)

CONTROLLER FOR SYSTEM FOR SPATIALLY TRANSFORMING IMAGES

Publication

EP 0076259 B1 19890816 (EN)

Application

EP 81902061 A 19810410

Priority

US 8100470 W 19810410

Abstract (en)

[origin: WO8203712A1] A system for spatially transforming images by separate transformation of each dimension of the image is exemplified by a raster scan television system which includes for each color component a transposing memory (18) providing a change of scan direction from horizontal to vertical, a vertical transformation system (20) transforming in the vertical direction the vertically scanned video information, a second transposing memory (22) coupled to receive vertically transformed video information and provide a change of scan direction from vertical back to horizontal, and a horizontal transformation system (24) coupled to horizontally transform the horizontally scanned video signal to produce a color component output signal. The transformation system is controlled by a transform composer and factorizor (26) which receives input commands designating X and Y pretranslation, X and Y size control, Z axis rotation angles, and X and Y post-translations to produce a commanded composite transformation which is then factored into horizontal and vertical components.

IPC 1-7

G06F 15/20

IPC 8 full level

G05G 9/047 (2006.01); **G06F 3/02** (2006.01); **G06F 3/023** (2006.01); **G06F 3/033** (2013.01); **G06T 3/60** (2006.01); **H04N 5/262** (2006.01); **H04N 9/64** (2006.01)

CPC (source: EP US)

G05G 9/047 (2013.01 - EP US); **G06F 3/0213** (2013.01 - EP US); **G06F 3/0219** (2013.01 - EP US); **G06F 3/033** (2013.01 - EP US); **G06F 3/04845** (2013.01 - EP US); **G06T 3/606** (2013.01 - EP US); **H04N 5/2628** (2013.01 - EP US); **H04N 9/64** (2013.01 - EP US)

Citation (examination)

- COMPUTERS AND GRAPHICS, vol. 1, 1975, Pergamon Press, OXFORD (GB) D. COHEN et al.: "An interactive network graphics system", pages 27-31
- Ralston, "Encyclopedia of Computer Science", 1976, pp. 291-307, 744, 745

Designated contracting state (EPC)

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DOCDB simple family (publication)

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